

REMARKS

Claims 1-27 are all the claims pending in the application. Claims 1-27 presently stand rejected. By this Amendment, Applicant amends claims 1, 5, 7, 14, 18 and 27 and cancels claims 6 and 19 without prejudice or disclaimer. No new matter is added. Also, since Applicant is merely incorporating limitations from dependent claims into the independent claims, no new issues requiring further consideration or search are raised. Favorable reconsideration is respectfully requested.

I. Summary of Office Action

The Examiner rejected claims 1-5, 8-18 and 21-27 under 35 U.S.C 103(a) as being unpatentable over U.S. Patent No. 7,000,187 to Messinger et al. (hereinafter “Messinger”) in view of U.S. Patent Application No. 2004/0268259 to Rockey et al. (hereinafter “Rockey”).

The Examiner also rejected claims 6, 7, 19 and 20 under 35 U.S.C. § 103(a) as being unpatentable over Messinger, Rockey and further in view of Raghavan et al. “Interactive Evaluation of Assembly Sequences Using Augmented Reality” (hereinafter “Raghavan”).

II. Rejections under 35 U.S.C. § 103

Claims 1, 14, and 27 are all the independent claims. Applicant respectfully traverses the grounds of rejection summarized above.

Claims 1-5 and 8-13

With reference to amended claim 1, Applicant has incorporated certain features from former claim 6 into claim 1. As a result, claim 1 now recites: “a tracking system detecting and recognizing real objects in a space, the tracking system comprising at least one image detection unit detecting the real objects and a computer unit processing information output by the image

detection unit, wherein the processed information from the tracking system is provided to the automatic context registration for automatic generation of the context of the user.”

The Examiner acknowledges that Messinger and Rockey fail to disclose the above feature but contends that the previously cited Raghavan publication does. Applicant respectfully disagrees.

Applicant submits that there is no logical reason why one skilled in the art would have modified the alleged combination of Messinger and Rockey with the teachings of Raghavan. For example, Raghavan is directed to evaluating manufacturing assembly sequences using human-computer augmented reality. Assembly plans must be evaluated before the actual manufacturing line or assembly line is constructed. As set forth in Raghavan, assembly operations can be carried out by human operators, programmable robots or special automation (*see* page 435 of Raghavan). Using augmented reality, the designers can determine the most efficient assembly process for manufacturing a product. These processes are highly specialized and are determined and/or manipulated by highly trained engineers and assembly planners.

As motivation for modifying the combination of Messinger and Rocky, the Examiner maintains that the combined teachings would, “provide the user with the augmented reality interface that can prompt the user through various steps and the sensor help in automatically recording the actual moves of the user to further help with the evaluation process. This enables a convenient flow of information between the design engineer and the computer assembly planner.” *See* pages 6 and 7 of the Office Action. This alleged motivation was gleaned from the Abstract of Raghavan and is specific to creation of real-life manufacturing assemblies. Thus, the alleged motivation has no basis in the teachings of Messinger or Rockey. For example, Messinger is directed to software application support and training as an alternative to online or

telephone help-aids. Additionally, Rockey is merely directed to presenting commands to a user based on a user's context within a document or application program.

Applicant submits that there is absolutely no rational reason why one skilled in the art would have provided the highly technical and specialized augmented reality of Raghavan to the user/document related teachings of Messinger and Rockey since such "augmented reality" has no role in the applications taught therein. For example, as set forth on page 435 of Raghavan, augmented reality enhances "perception of the surrounding world rather than replacing it with an artificial one." There is no need, in Messinger or Rockey, of monitoring the state of the world surrounding the user (i.e., the state of the world surrounding the user of Messinger and Rocky would have no bearing on the instructions and/or command changes that viewers observe on their display).

In view of the above, Applicant submits that one skilled in the art would not have combined the respective references in the manner set forth by the Examiner. Accordingly, Applicant respectfully requests the Examiner to withdraw the rejection of claim 1. Without further commenting on the grounds of rejection of claims 2-5 and 8-13, these claims are patentable at least by virtue of their dependency on claim 1.

Claims 7 and 14-27

Claims 14-18 and 21-27 stand rejected under 35 U.S.C 103(a) as being unpatentable over Messinger in view of Rockey. Claims 7 and 19-20 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Messinger, Rockey and Raghavan. Applicant has incorporated the subject matter of claim 19 into claims 14 and 27 and submits that claims 14 and 27 are patentable for at least analogous reasons as claim 1. Without further commenting on the grounds of

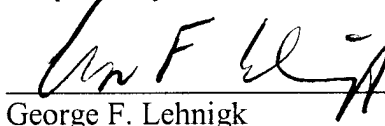
rejection of claims 7 and 15-26, these claims are patentable at least by virtue of their dependency on claims 1 and 14, respectively.

III. Conclusion

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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